



Non-transfected cells



FIG. 2A

Anti- $\beta$ -amyloid polyclonal antibody

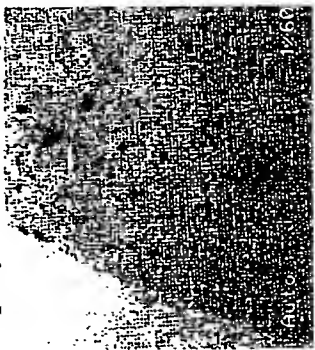


FIG. 2D

Fc

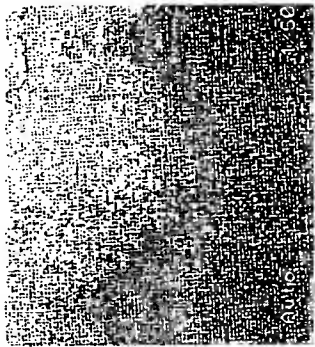


FIG. 2G

3G-16-30-Fc



FIG. 2J

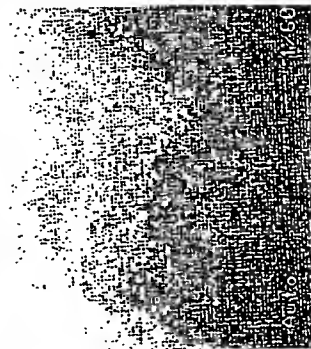


FIG. 2B

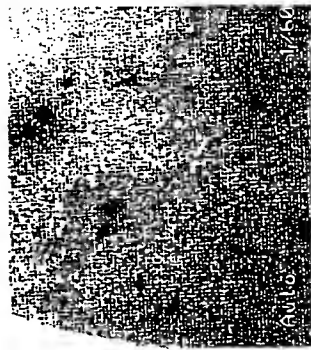


FIG. 2E



FIG. 2H



FIG. 2K

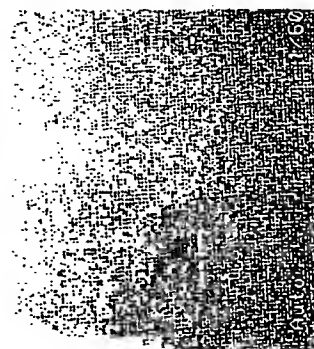


FIG. 2C



FIG. 2F

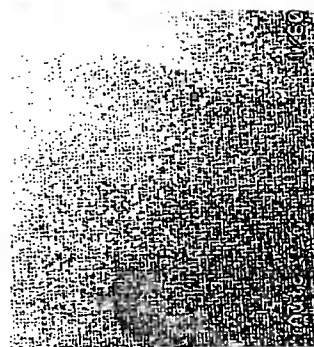


FIG. 2I



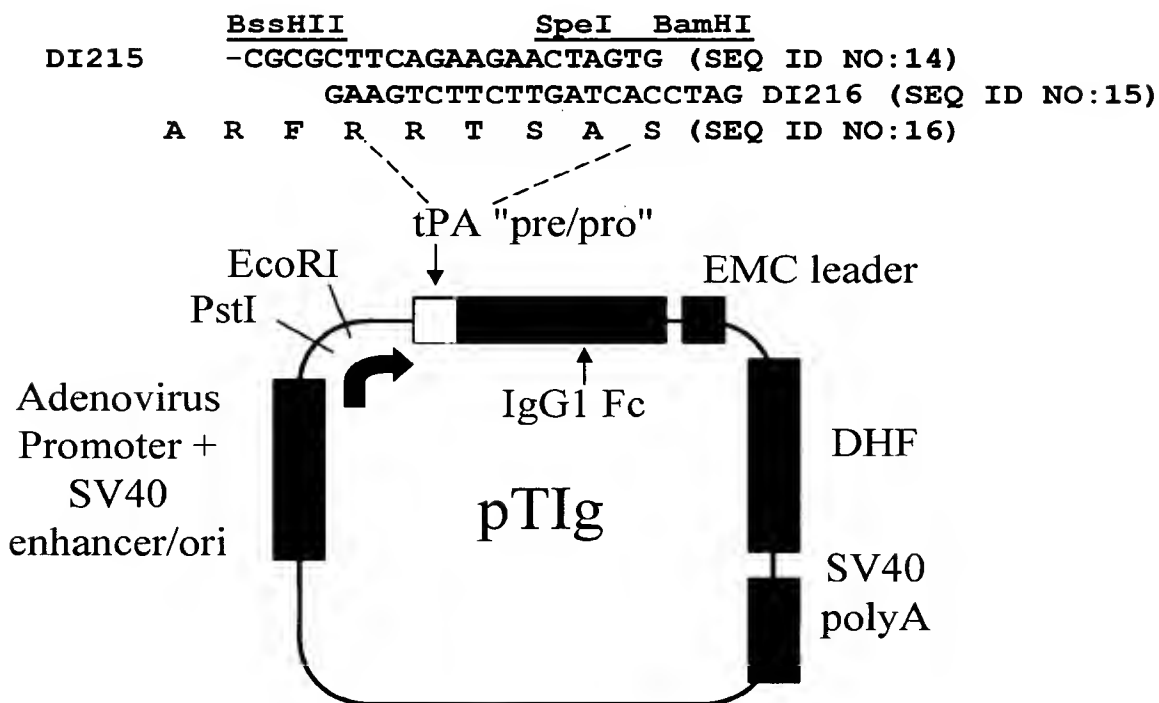
FIG. 2L



**BssHII-Spe-BamHI converter:**

**BssHII** **SpeI** **BamHI**  
DI215 -CGCGCTTCAGAAGAACTAGTG (SEQ ID NO:14)  
GAAGTCTTCTTGATCACCTAG DI216 (SEQ ID NO:15)  
A R F R R T S A S (SEQ ID NO:16)

**FIG. 3**



**FIG. 4**

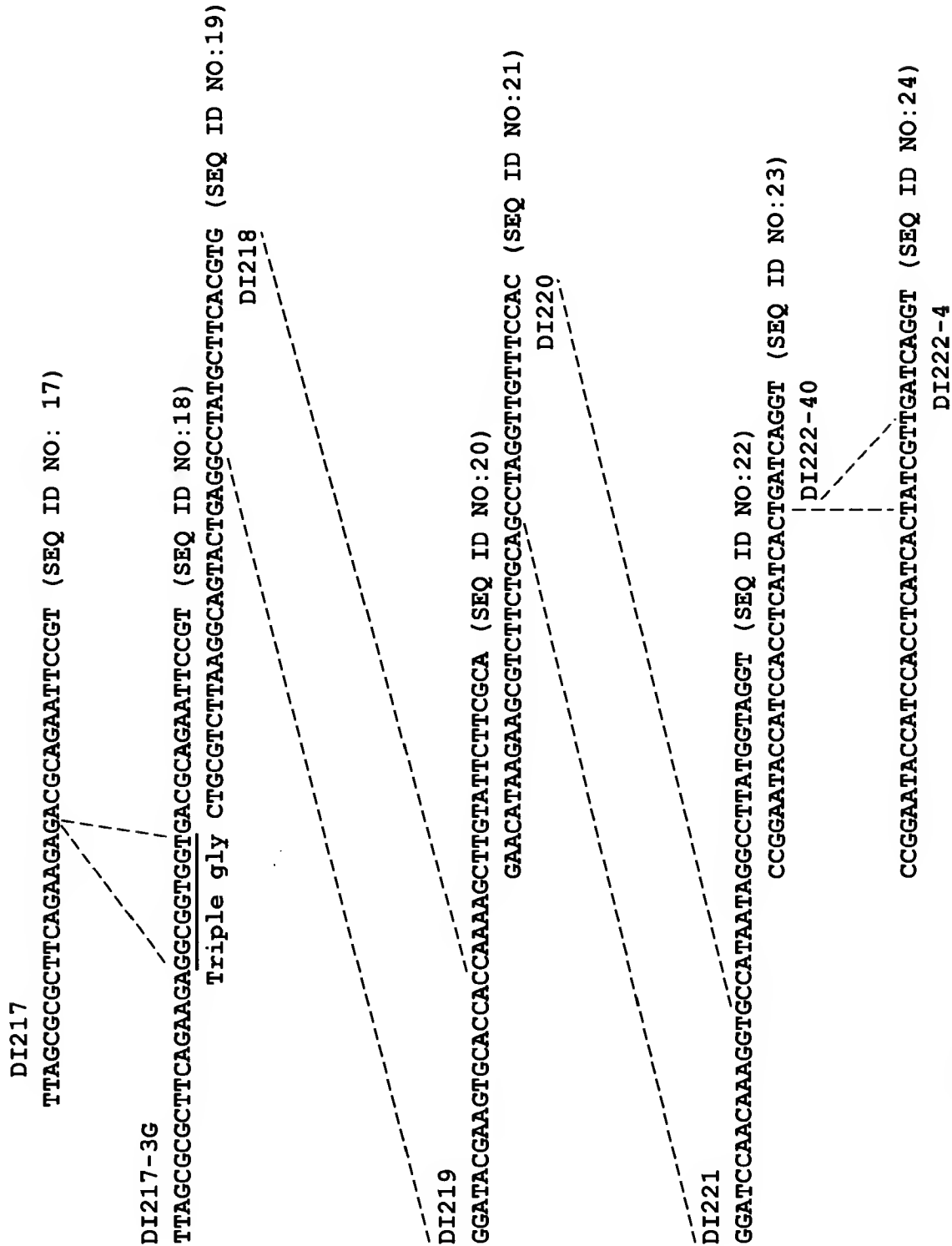


FIG. 5



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
D A E F R H D S G Y E V H H Q K L V F F A  
GACGAGAATTCGTCATGACTCCGGATACGAAGTGCACCAAAAGCTTGTATTCTTCGCA  
EcoRI BspHI BspEI ApaLI HindIII  
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42  
E D V G S N K G A I I G L M V G G V V I A  
→ GAAGACGTCGGATCCAAACAAGGTGCCATAATAGGCCTTATGGTAGGTGGAGTAGTAGTAGCA (SEQ ID NO:25)  
AatII BamHI StuI

FIG. 6



$\beta$ -amyloid fragments made as  
IgG1 F<sub>c</sub> fusions:

- LVFFA (SEQ ID NO:26)
- LVFFL (SEQ ID NO:27)
- 16-30 All cloned N-terminal
- 10-25 or following triple gly
- 1-29
- 1-40
- 1-42
  
- also control construct of IgG1 F<sub>c</sub>  
(no  $\beta$ -amyloid sequence)

• Overlapping complimentary oligonucleotides for pentapeptides:

GGGLVFFA: (SEQ ID NO:28)  
5'  
DI223 CGCGCTTCAGAAGAGGCGGTGGTCTTGTATTCTTCGCAA (SEQ ID NO:29)  
GAAGTCTTCTCCGCCACCAGAACATAAGAAGCGTTGATC (SEQ ID NO:30) DI224  
BssHII SpeI 5'

LVFFA: (SEQ ID NO:31)

DI225 CGCGCTTCAGAAGACTTGTATTCTTCGCAA (SEQ ID NO:32)  
GAAGTCTTCTGAACATAAGAAGCGTTGATC (SEQ ID NO:33) DI226

GGGLVFFL: (SEQ ID NO:34)

DI227 CGCGCTTCAGAAGAGGCGGTGGTCTTGTATTCTTCCTTA (SEQ ID NO:35)  
GAAGTCTTCTCCGCCACCAGAACATAAGAAGGAATGATC (SEQ ID NO:36) DI228

FIG. 7A



LVFFFL: (SEQ ID NO: 37)

DI229 CGCGCTTCAGAAGACTTGTATTCTTCCTTA (SEQ ID NO:38)  
GAAGTCTTCTGAACATAAGAAGGAATGATC (SEQ ID NO:39) DI230

• PCR primers for longer fragments

$\beta$ -amyloid 1-29 oligos

For 5' use oligos 217 and 217-3G

DI-231 TGGACTAGTACCTTTGTTGGATCCGAC (SEQ ID NO:40)

$\beta$ -amyloid 10-25 oligos

DI-232 TTAGCGCGCTTCAGAAGATACGAAGTGCACCACCAA (SEQ ID NO:41)

DI-232-3G

TTAGCGCGCTTCAGAAGAGGCGGTGGTTACGAAGTGCACCACCAA (SEQ ID NO:42)

DI-233

TGGACTAGTTCCGACGTCTTCTGCGAA (SEQ ID NO:43)

$\beta$ -AMYLOID 16-30 OLIGOS

DI-234 TTAGCGCGCTTCAGAAGAAAGCTTGTATTCTTCGCA (SEQ ID NO:44)

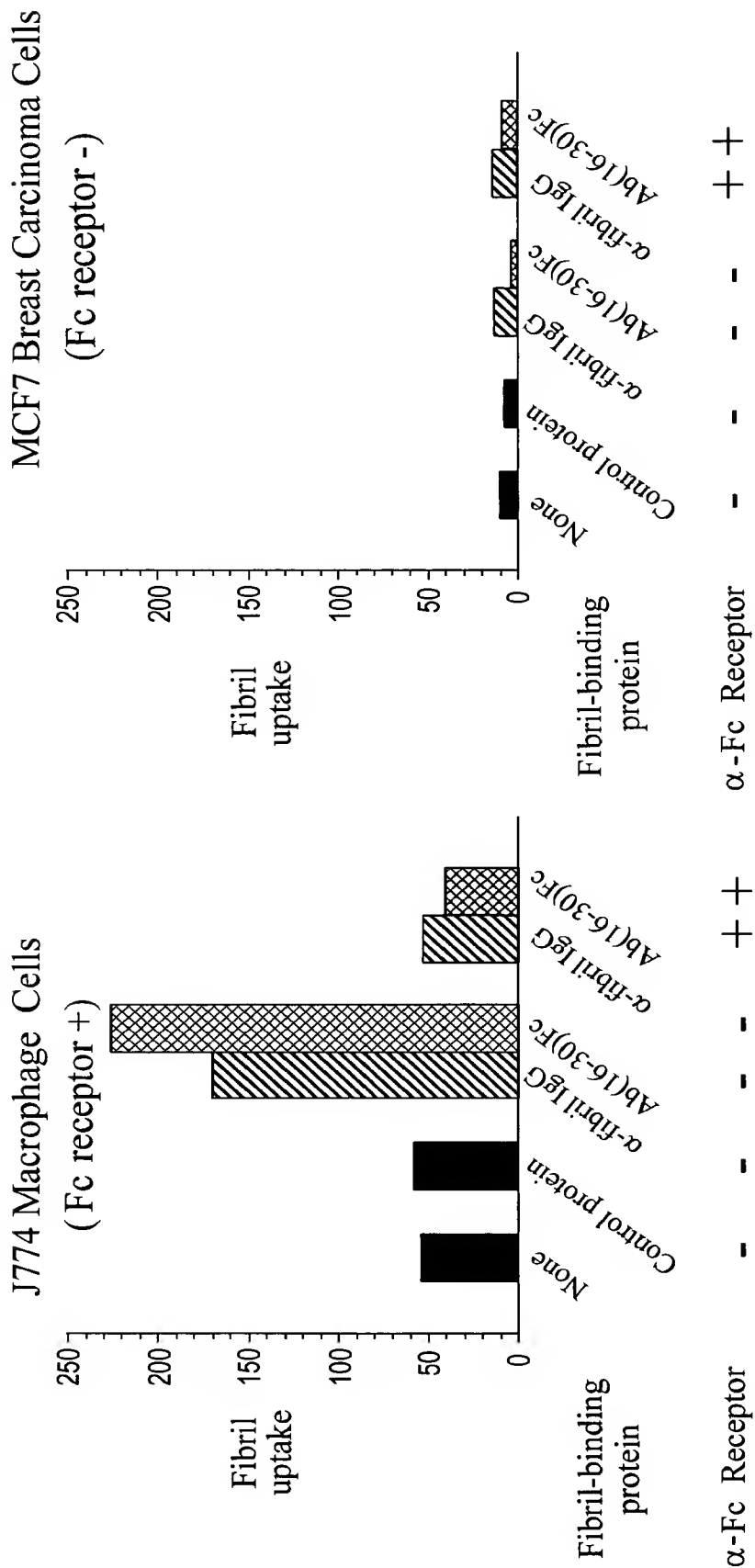
DI-234-3G

TTAGCGCGCTTCAGAAGAGGCGGTGGTAAGCTTGTATTCTTCGCA (SEQ ID NO:45)

DI-235

TGGACTAGTGGCACCTTTGTTGGATCC (SEQ ID NO:46)

**FIG. 7B**



**FIG. 8A**

**FIG. 8B**